IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Lakhbeer Sidhu et al.

Application No. : Not yet available

Confirmation No. : Not yet available

Filed : Concurrently herewith

For : ELECTRICALLY-PROGRAMMABLE INTEGRATED

CIRCUIT FUSES AND SENSING CIRCUITS

Group Art Unit :

Examiner :

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants hereby bring the attention of the Examiner to the documents listed on the attached Form PTO-1449 (submitted in duplicate).

A notice in the Official Gazette of August 5, 2003 waived the requirement under 37 C.F.R.\$1.98(a)(2)(i) for submitting a copy of each U.S. patent in Information Disclosure Statements for patent applications filed after June 30, 2003. Accordingly, no copies of the cited U.S. patents are enclosed. A

copy of each listed document that is not a U.S. patent is enclosed herewith.

Respectfully Submitted,

G. Victor Treyz/

Reg. No. 36,294 Attorney for Applicants Customer No. 36532

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Súl	ostitute for form 1449A/PTO		Complete if Known			
-			Application Number			
10	JEORMATION	DISCLOSURE	Filing Date			
		Y APPLICANT	First Named Inventor	Lakhbeer Sidhu		
J	IMILIMILIAID	I ALLEIOANI	Art Unit			
	(Use as many shee	ets as necessarv)	Examiner Name			
Sheet	1	of 2	Attorney Docket Number	A1186		
		U.C. DAT	ENT DOCUMENTS			

			U. S. PATENT		
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,368,902 B1	04-09-2002	Kothandaraman et al	
		^{US-} 6,222,244 B1	04-24-2001	Arndt et al.	
		^{US-} 5,444,287	08-22-1995	Bezama et al.	
		US-			
****** ** * ******* * ******		US-	· · · · · · · · · · · · · · · · · · ·		
-		US-			
********		US-			
		US-			
***************************************		US-			

FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,					
initials	No.¹	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear					
••••										
						Г				
						Г				
				***************************************	***************************************	Γ				

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

1	Substitute for	r form 1449B/PTO			Complete if Known				
					Application Number				
	INFO	RMATION	DISCLO	SURE	Filing Date				
	STAT	EMENT B'	Y APPLIC	CANT	First Named Inventor	Lakhbeer Sidhu			
					Art Unit				
		(Use as many shee	ts as necessary)		Examiner Name				
7	Sheet	2	of	2	Attorney Docket Number	A1186			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
***************************************		C. KOTHANDARAMAN, ET AL., "Electrically Programmable Fuse (eFUSE) Using Electromigration in Silicides," IEEE Electron Dev. Lett. Vol 23, No. 9, Sept. 2002, pp 523-525	
·····			

			=

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

Unde	er the Pa	nerwork Reduction Act of 1995, no	persons are requir	red to resp	ond to a co	llection of informs	tion unless		mber.
Sú	bstitute	for form 1449A/PTO				C	omplete	if Known	1
				Γ	Application	n Number			
H	NFO	RMATION DISCL	OSURE		Filing Dat	e			
		TEMENT BY APP			First Nam	ed Inventor	Lakht	peer Sidhu	
	,,,	ILMENIDIALI	LIOAITI		Art Unit				
		(Use as many sheets as necess	san/)	ļ -	Examiner Name				
Sheet			of 2		Attorney	Docket Number	A118	6	
			11.0.04	TENT.		ENTO			
Examiner	Cite	Document Number	U. S. PA			ame of Patentee	or T	Pages, Columns, Lines, When	
Initials*	No.1		MM-DD-Y			ant of Cited Docu		Relevant Passages or Relevant	nt
		Number-Kind Code ² (# known) US- 6,368,902 B1	04-09-200	04-09-2002				Figures Appear	
				andaramar	ecal				
	US-6,222,244 B1 US-5,444,287		04-24-200			et al.			
	us-		08-22-199	15	Beza	ma et al.			
	US-								
	ļ	US-							
	ļ	T US-			 				
		US-							
		US-							
	. 	1			_			A	
· · · · · · · · · · · · · · · · · · ·	ļ	US-							
L	<u> </u>	US-			1				
	J	US-							
	<u> </u>	US-]				
		US-							
	<u> </u>	US-							
		US-							
		US-							
		US-			l				
			FOREIGN F	ATEN	T DOCL	MENTS			
Examiner	Cite	Foreign Patent Docu			tion Date	Name of Pa	tonton or	Pages, Columns, Lines,	T
Initials*	No.¹	Country Code ³ Number ⁴ Kind Code ⁵ (#		MM-DD-		Applicant of Cit		where Relevant Passages or Relevant Figures Appear	T ⁶
									1
***************************************	ļ						•••••••		\vdash
	İ			************	*************		•••••	*****	╂╾┤
					•••••		••••••••		-
***************************************			***************************************	•		••••••		*****	
	<u></u> _								
Examiner	Т					1 6	ate		_
Signature	1						onsidered	1	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute	for form 1449B/PTO			Complete if Known				
					Application Number				
	INFO	RMATION	DISCLO	SURE	Filing Date				
	STA	TEMENT B	Y APPLI	CANT	First Named Inventor	Lakhbeer Sidhu			
					Art Unit				
		(Use as many sheet	s as necessary)	1	Examiner Name				
7	Sheet	2	of	2	Attorney Docket Number	A1186			
_									

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
		C. KOTHANDARAMAN, ET AL., "Electrically Programmable Fuse (eFUSE) Using Electromigration in Silicides," IEEE Electron Dev. Lett. Vol 23, No. 9, Sept. 2002, pp 523-525						
ļ								
	•••••							

	••••••		**********					

Examiner		
	Date	
Signature :		1
Signature	Considered	l .

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.